



Presentation GoSmooth®

VYDENCE

CONTINUING MEDICAL EDUCATION Program

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reviewed and approved by Antonio Olivatto

proprietário e confidencial

see more at:

vydence
LASER ACADEMY **tv**



ETHEREA-MX[®] PLATFORM



LEADER IN THE WORLD'S SECOND-LARGEST AESTHETICS MARKET



- Maximum versatility;
- LASER and light technologies;
- 70+ treatment indications;
- LASER for all types of skin;
- Always with new technologies;
- Greater profitability and return;
- Compact design that is easy to transport;
- Reliable: second-generation platforms;
- Powerful and with proven results;
- Easily changeable handpieces, plug-and-play;
- Dual voltage, with no need for a voltage stabilizer;
- International standard, FDA approved;
- Sold in nearly 20 countries.

ProDeep®
Nd:YAP 1340 nm
For deep epidermal
nonablative fractional
LASER treatments.



GoSmooth®
Er:GLASS 1540 nm
Gold standard
technology for non-
ablative LASER skin
resurfacing.



LongPulse®
Nd:YAG 1064 nm
Nd:YAG LASER with
variable pulse modes.



ACROMA-QS®
Nd:YAG 1064/532 nm
Dual-wavelength
Fractional Q-switched
LASER with optional
fractional spot.



DualMode®
Er:YAG 2940 nm
Powerful, dual-effect
Er:YAG with improved
coagulation effect.



IPL-Sq®
Intense Pulsed Light
Square-Wave Pulse
Technology and all-in-
one available cut-off
filters.



ATHENA®
DualMode® Accessory
intimate LASER
treatment for women's
health and wellness.



intenseIR®
Infrared Light
Hi-powered IR light
for skin tightening
of the body and face.

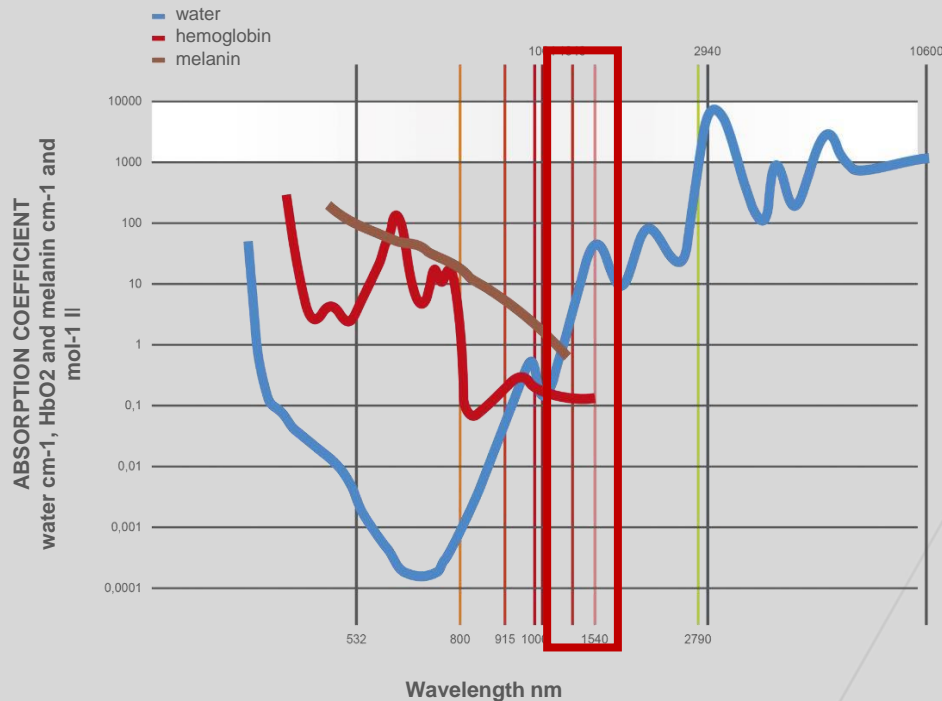


etherea^{MX} | Z Y E



about LASERs and light: science and technology

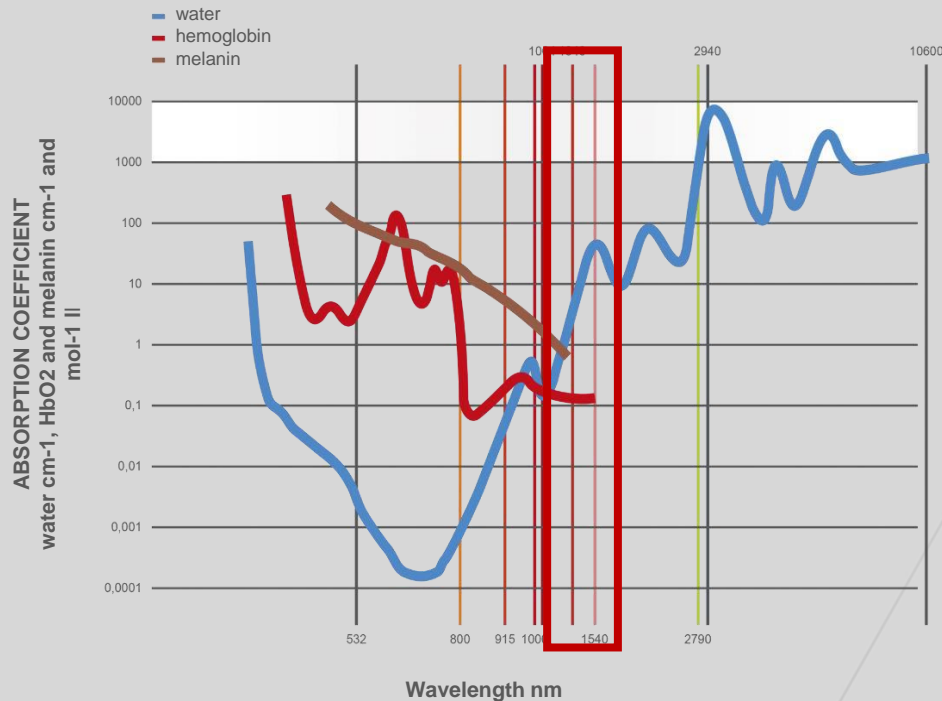
TARGET CHROMOPHORE AND ABSORPTION CURVE



- Relationship of target chromophore and absorption curve as a function of wavelength;
- Non-ablative LASERs: low affinity ratio for H₂O
- Greater penetration, lower affinity for water vs. melanin;

*Manstein et al. FRACTIONAL PHOTOTHERMOLYSIS: A NEW CONCEPT FOR CUTANEOUS REMODELING USING MICROSCOPIC PATTERS OF THERMAL INJURY. LASERs Surg Med 2004;34:426-38.

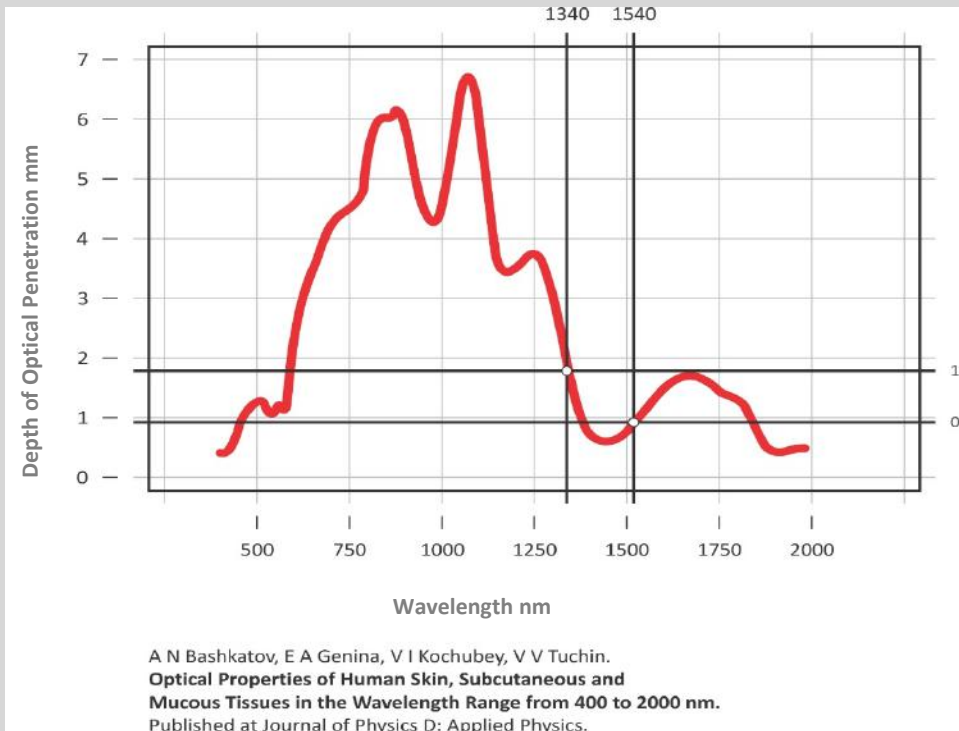
TARGET CHROMOPHORE AND ABSORPTION CURVE



- There are various fractional, non-ablative wavelengths;
- The main ones today are the gold standard technologies for rejuvenation (commercial);
 - 1320 nm: solid-state LASER, nd:YAG**
 - 1440 nm: diode LASER, through fiber;**
 - 1340 nm: solid-state LASER, nd:yap;**
 - 1540 nm: solid-state laser, er glass;**
 - 1540 nm: solid-state laser, er: glass, with delivery through fiber optics and scanner**

*Manstein et al. FRACTIONAL PHOTOTHERMOLYSIS: A NEW CONCEPT FOR CUTANEOUS REMODELING USING MICROSCOPIC PATTERS OF THERMAL INJURY. LASERs Surg Med 2004;34:426-38.

PENETRATION GRAPH

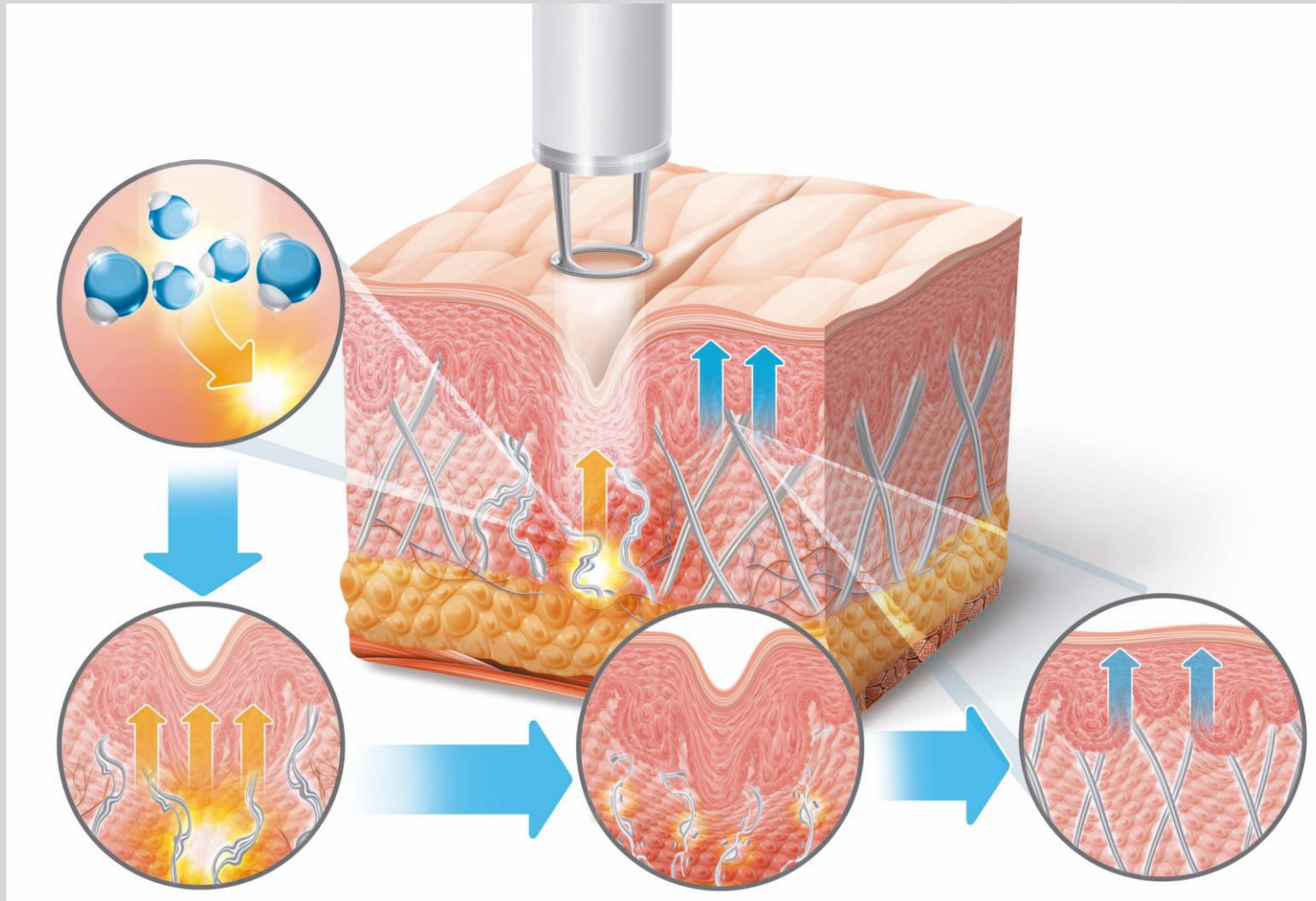


- Fractional, non-ablative, superficial skin resurfacing;
- Direct relationship with affinity for water;
- LASER with action that is shallower than ProDeep, but with equivalent thermal coagulation effect.

SCIENCE AND TECHNOLOGY



SELECTIVE PHOTOTHERMOLYSIS EFFECT



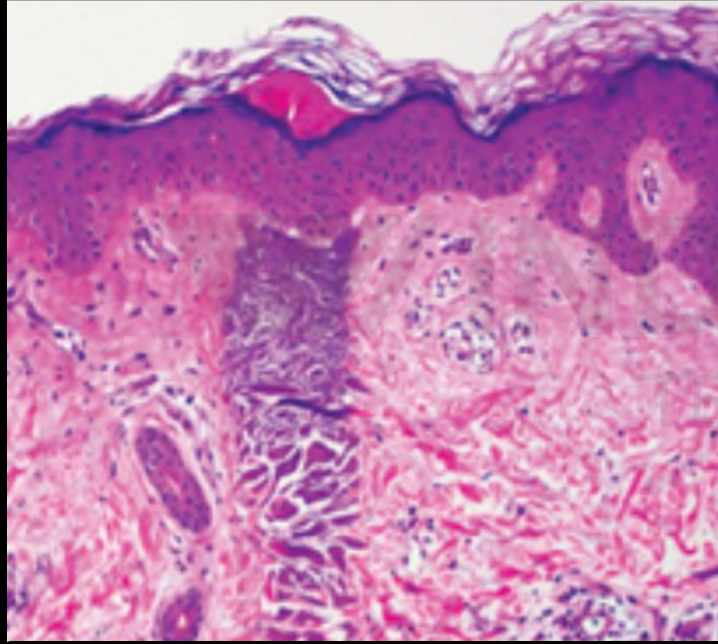
SCIENCE AND TECHNOLOGY



NON-ABLATIVE vs. ABLATIVE

NON-ABLATIVE LASER

Residual thermal damage formation and collagen stimulation

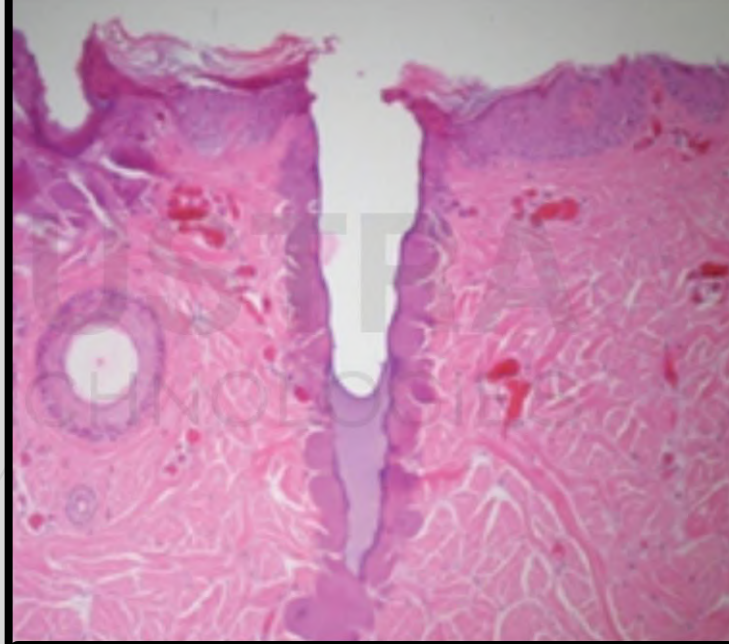


COAGULATION

Inflammatory effect in the area, tending to reach deeper layers of the tissue..

ABLATIVE LASER

Ablation + residual thermal damage and collagen stimulation. Tissue regeneration



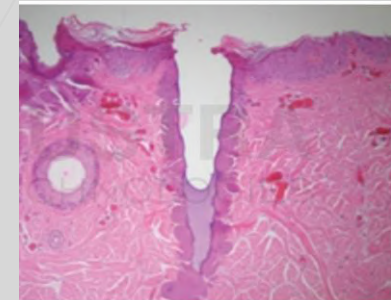
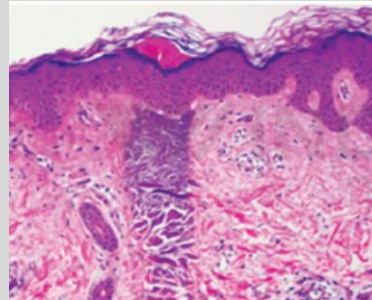
ABLATION

Complete removal of the epithelial level through a superficial vaporizing effect..

SCIENCE AND TECHNOLOGY



NON-ABLATIVE vs. ABLATIVE

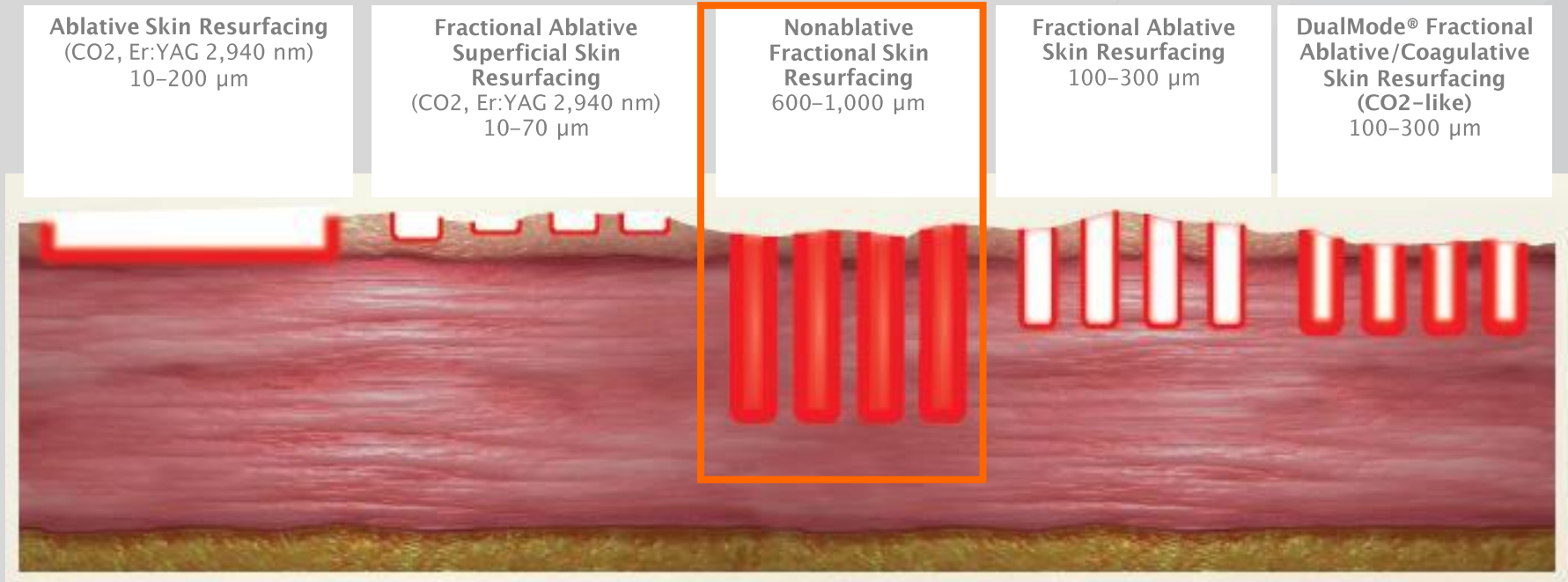


Comparison	Non-ablative	Ablative
Target chromophore	H2O	H2O
Chromophore absorption	Less	More
Response time	24 hours	48-72 hours
Advantages	<ul style="list-style-type: none"> • Safety • Less downtime • Less risk of post-inflammatory hyperpigmentation • Greater versatility • Satisfactory results 	<ul style="list-style-type: none"> • Fewer sessions • Clear improvement after first session • Long-term results • High patient satisfaction
Disadvantages	<ul style="list-style-type: none"> • Higher number of sessions 	<ul style="list-style-type: none"> • More downtime • More posttreatment care • Risk of post-inflammatory hyperpigmentation

SCIENCE AND TECHNOLOGY



ABLATIVE vs. NON-ABLATIVE



- Different effects of the LASER on the tissue: ablation, coagulation and ablation and coagulation combined (Dualmode® technology);
- GoSmooth and ProDeep LASER have a strictly non-ablative effect – greater depth with residual thermal damage.



GoSmooth[®]: features & technology

FEATURES & TECHNOLOGY



TECHNICAL CHARACTERISTICS



	GoSmooth®
Wavelength	Er:Glass 1540 nm
Maximum energy	95 mJ/mtz
Pulse time	10 and 15 ms
Frequency of operation	up to 1.0 Hz
Spots	Fractional 8 mm – 100 mtz/cm ² 10 mm – 400 mtz/cm ²
Additional	With integrated cooling coupler; cold-air cooling

FEATURES & TECHNOLOGY



TECHNICAL CHARACTERISTICS



- Versatile: 100 and 400 mtz/cm² spots available;
- Better usability with a square spot;
- System with optical arrangement of the high-performance fractional lenses;
- Gold-standard technology that is widely accepted internationally in different markets.

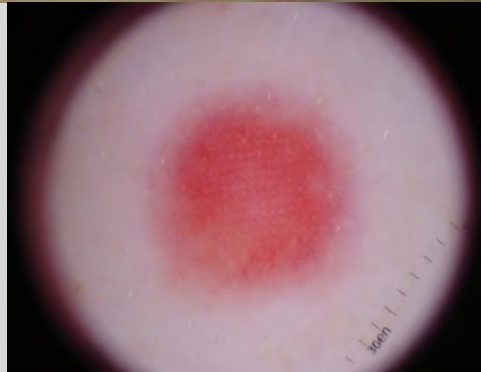
FEATURES & TECHNOLOGY



TECHNICAL CHARACTERISTICS



- Optical improvement in relation to the spot, as well as changing to a square shape;
- 30% smaller beam: greater irradiance and higher quality of the beam generated;
- Tangible differential in relation to the previous lens model: usability and precision;
- Homogeneity in the coverage of the treatment.



FEATURES & TECHNOLOGY

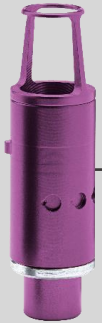


SPOTS



8/100 mtz/cm²

- Skin resurfacing
- Scars
- Stretch marks



10/400 mtz/cm²

- Melasma



GoSmooth[®]: interface and parameterization

INTERFACE AND PARAMETERIZATION



INTERFACE - ETHEREA-MX

fluence: energy delivered per area (j/cm²)

pulse time: time for the fluence to be delivered



automatic recognition of the handpiece and spot

frequency or repetition rate between the shots



GoSmooth[®]: practice and training

PRACTICE AND TRAINING

QUICK REFERENCE GUIDE



PRACTICE AND TRAINING



INDICATIONS

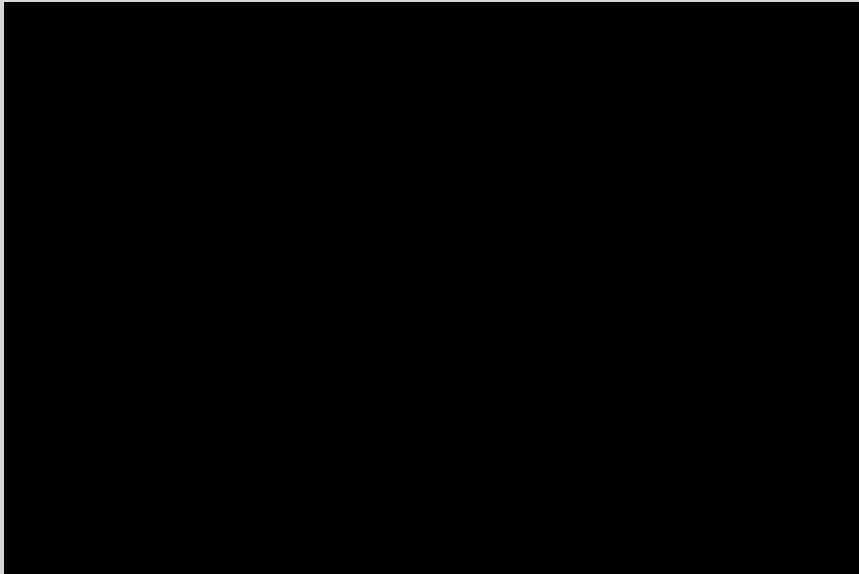


- Skin resurfacing
- Scars
- Stretch marks
- Melasma

PRACTICE AND TRAINING



CLINICAL GUIDE – SKIN RESURFACING



USAGE PARAMETERS

Spot:	8/100 mtz/cm ²
Fluence:	30 to 60 mj/mtz
Pulse time:	15 ms
Passes:	1 or 2
Sessions:	3 to 7
Interval:	30 days

PRACTICE AND TRAINING



CLINICAL GUIDE – SCARS AND STRETCH MARKS



USAGE PARAMETERS

Spot:	8/100 mtz/cm ²
Fluence:	35 to 60 mj/mtz
Pulse time:	15 ms
Passes:	1
Sessions:	3 to 7
Interval:	30 days

PRACTICE AND TRAINING



CLINICAL GUIDE – MELASMA



USAGE PARAMETERS

Spot:	10/400 mtz/cm ²
Fluence:	3 to 6 mj/mtz
Pulse time:	15 ms
Passes:	2
Sessions:	6 to 10
Interval:	30 days

PRACTICE AND TRAINING



CLINICAL GUIDE – ENDPOINT AND DOWNTIME



Photo: Personal archive of Dr. Luiza Pitassi



Photo: VYDENCE Center Training

- Average downtime of 1 day with edema and light erythema;
- For stretch marks, relative downtime of up to 3 days.

PRACTICE AND TRAINING



CLINICAL GUIDE

CONTRAINDICATIONS	PRETREATMENT	POSTTREATMENT
<ul style="list-style-type: none">• Pregnancy;• Photosensitive diseases. <p>Be careful with nonabsorbable fillers in the treatment area and patients with a tendency to form keloids!</p>	<ul style="list-style-type: none">• Herpes prophylaxis;• Topical anesthetic, if necessary. Remove completely before the session; <p>Using an external cooler during the session can increase patient comfort.</p>	<ul style="list-style-type: none">• Drug delivery• Soothing lotions• LED

PRACTICE AND TRAINING

MY PRACTICE VYDENCE



The MyPractice is a continued medical education program proposed by VYDENCE® to the doctors that use our products and technologies may share their experiences in a practical and quick way.



» My Practice Online



GoSmooth®: care and preventative maintenance

CARE AND MAINTENANCE



CARE AND PREVENTATIVE MAINTENANCE



- Clean after of each application;
- Cleaning and disinfection of the applicator spots: use isopropyl alcohol (preferentially) with cotton swabs and/or gauze on the lenses and spacers;
- Spacers can be washed with soap and water and/or enzymatic detergent or sanitized with 70% alcohol.
- Pro rata guarantee of the handpiece: 500,000 shots;
- Damage from falls or misuse (usage not in accordance with the recommendations) is not covered;
- Careful during transportation, misalignment can result in ineffective treatment;
- Send the handpiece to technical support after reaching the recommended number of shots.

CARE AND MAINTENANCE



CARE AND PREVENTATIVE MAINTENANCE



Learn more about maintenance procedures on our channel

vydence  LASER ACADEMY 

- Use only deionized water;
- Replace all the water in the reservoir annually;
- Change the deionizing filter annually;
- Annual inspection of the platform and handpieces.

[WATCH NOW](#)



GoSmooth[®]: cases and results

CASES AND RESULTS



STRETCH MARKS

Photo courtesy of Dr. Emerson Alves
São Paulo, SP



BEFORE



**AFTER 2
SESSIONS**

GoSmooth: 100 mtz/cm², 15 ms, 50 mj/mtz, 1 pass.

CASES AND RESULTS



STRETCH MARKS

Photo courtesy of Dr. Emerson Alves
São Paulo, SP



BEFORE

**AFTER 2
SESSIONS**

GoSmooth: 100 mtz/cm², 15 ms, 50 mj/mtz, 1 pass.



clinical library

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The Treatment of Melasma with Fractional Photothermolysis: A Pilot Study

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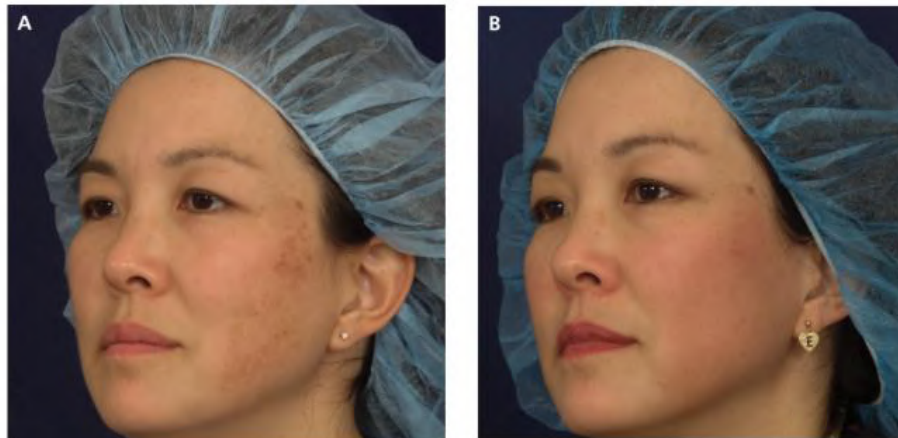


Figure 3. (A) Melasma on the face of an Asian patient after one treatment (preoperative picture not available). (B) Complete resolution of melasma after five treatment sessions with the Fraxel laser.

10 patients with melasma treated with 4 to 6 sessions of Er:Gla 1540 nm Laser. In the re-evaluations, 6 patients had from 75% to 100% clearing of the melasma, according to independent evaluators.

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